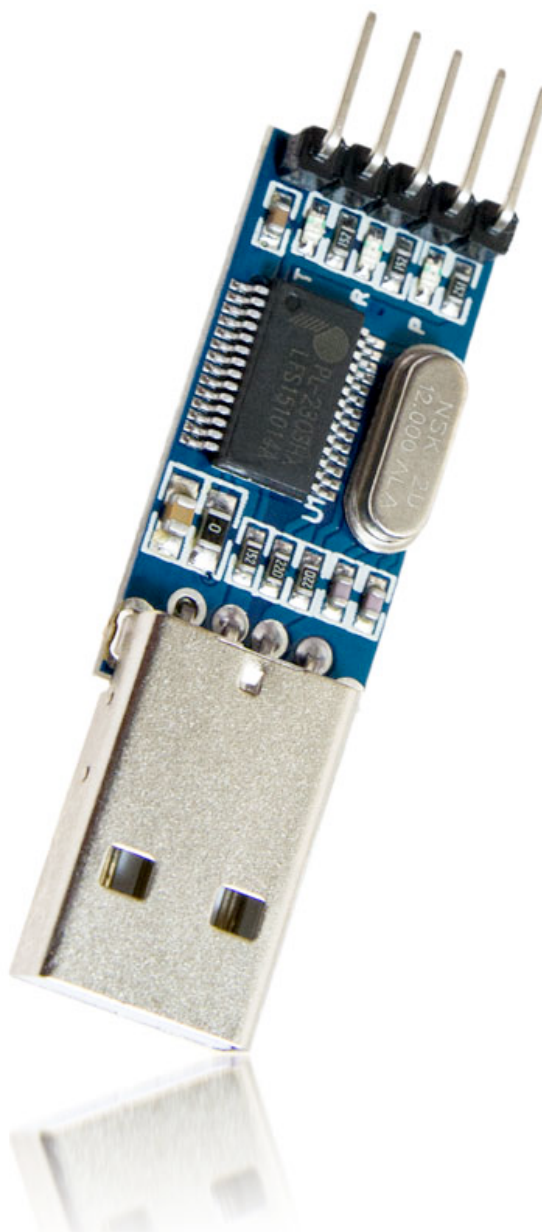




Prolific PL2303HX USB TTL Converter

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Technical Informations:

PL2303HX USB bus adapter, provides serial interfaces over USB bus (only serial interface). The PL2303HX integrate circuit provides common MODEM signals to allow adding a UART Devices to a computer, or converting existing UART devices to USB interface.

Prolific PL2303 is optimized for Windows OS!

Features:

- ✓ provides a virtual serial port over USB 2.0 port
- ✓ full speed 2.0 USB interface
- ✓ based on Prolific PL2303HX
- ✓ supports operating systems as follows:
 - Linux up to Kernel 2.4.31
 - Mac OSX up to OS X Mountain Lion
 - Windows XP, 2000, 7, 8 Vista
 - Windows CE 4.2, CE 5.0, CE 6.0 Windows Embedded 7
- ✓ supports baud rates from 75 bps up to 2 Mbps
- ✓ rail voltage
 - 5V directly USB supported
 - 3,3V only in active mode
- ✓ USB Load Mode
 - low power 100 mA
 - high power 500 mA
- ✓ Clock-frequency typ. 12 MHz.
- ✓ USB A Connector (male)

¹ please see Important Notes



Dimensions:

Dimension	incl. Pins	w/o Pins
length	52 mm	45 mm
width	14 mm	14 mm
height	7,5 mm	7,5 mm
weight	5 gr.	5 gr.

Important Notes:

Set PL2303 to high power mode (max. 450 mA) for running ESP8266 directly from PL2303 HX.

Typical ESP8266EX current consumption range (w/o SPI Flash):

- deep sleep 10 μ A
- Modem sleep 15 mA
- Modem active 50 - 170 mA

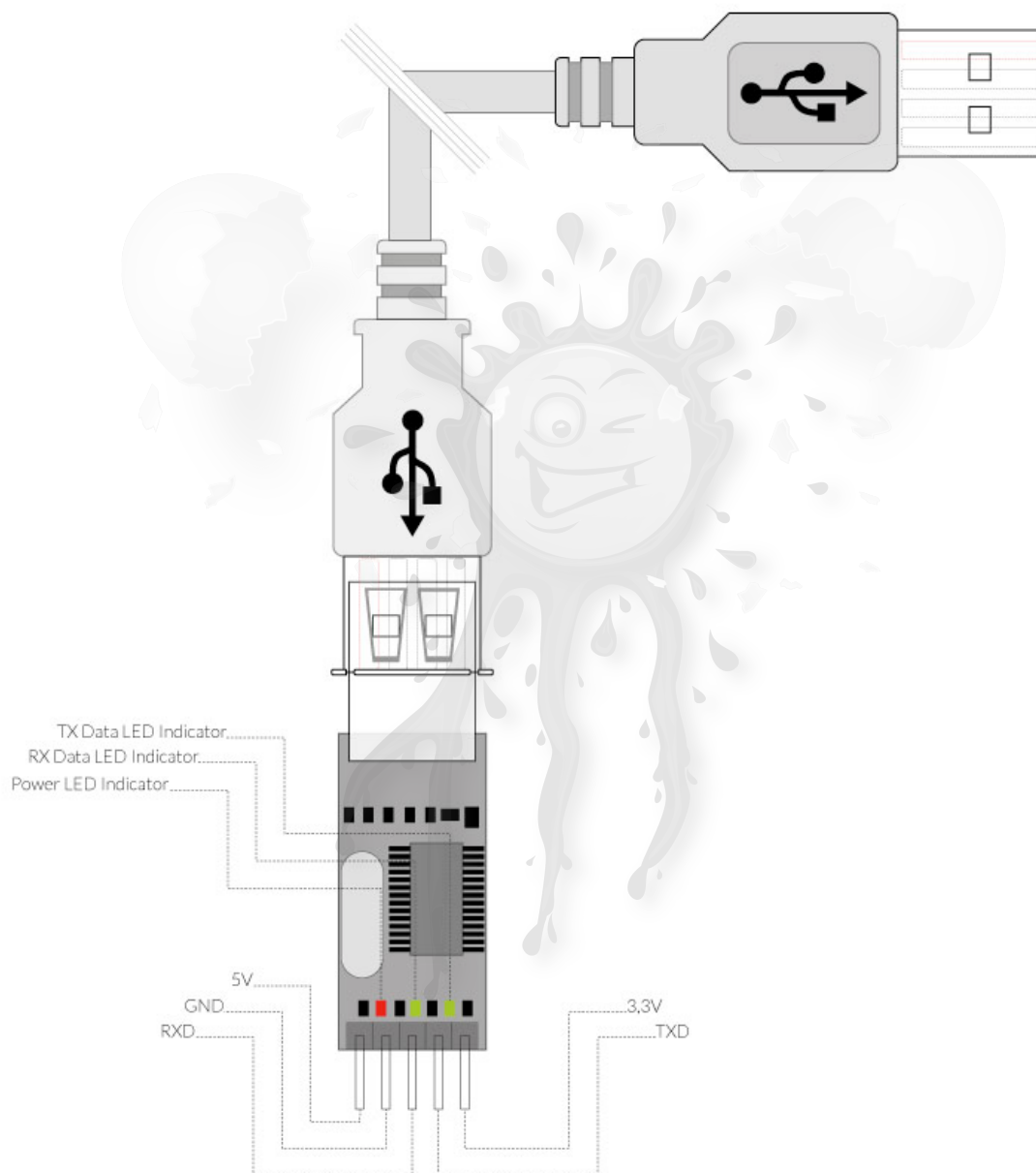
PL2303 Driver Installation

Original Prolific Driver is mostly recommended for Windows Operating Systems. For other OS such as Mac OS X 10.9, Linux 2.5 and above only third party driver available.

For original Prolific Driver please check out:

<http://prolificusa.com/pl-2303hx-drivers/>

PL2303 TTL Converter Schematic



PL2303HX Pinout

